

Fig. 1

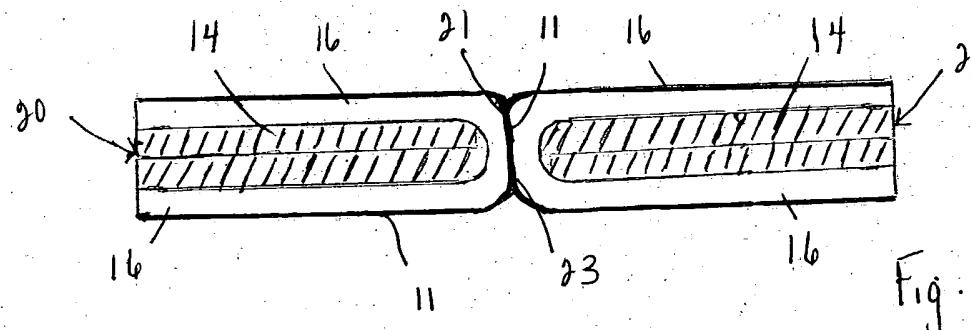


Fig. 2

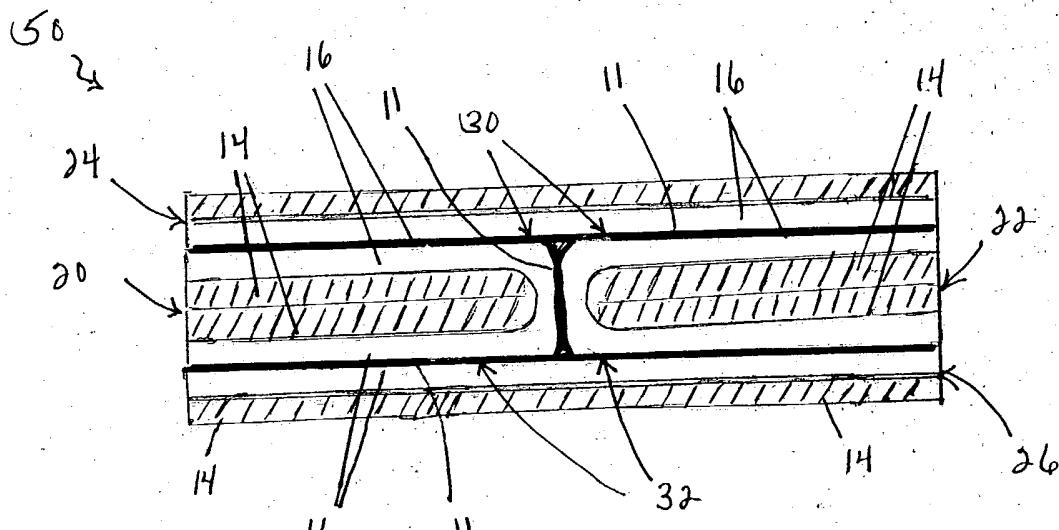


Fig. 3

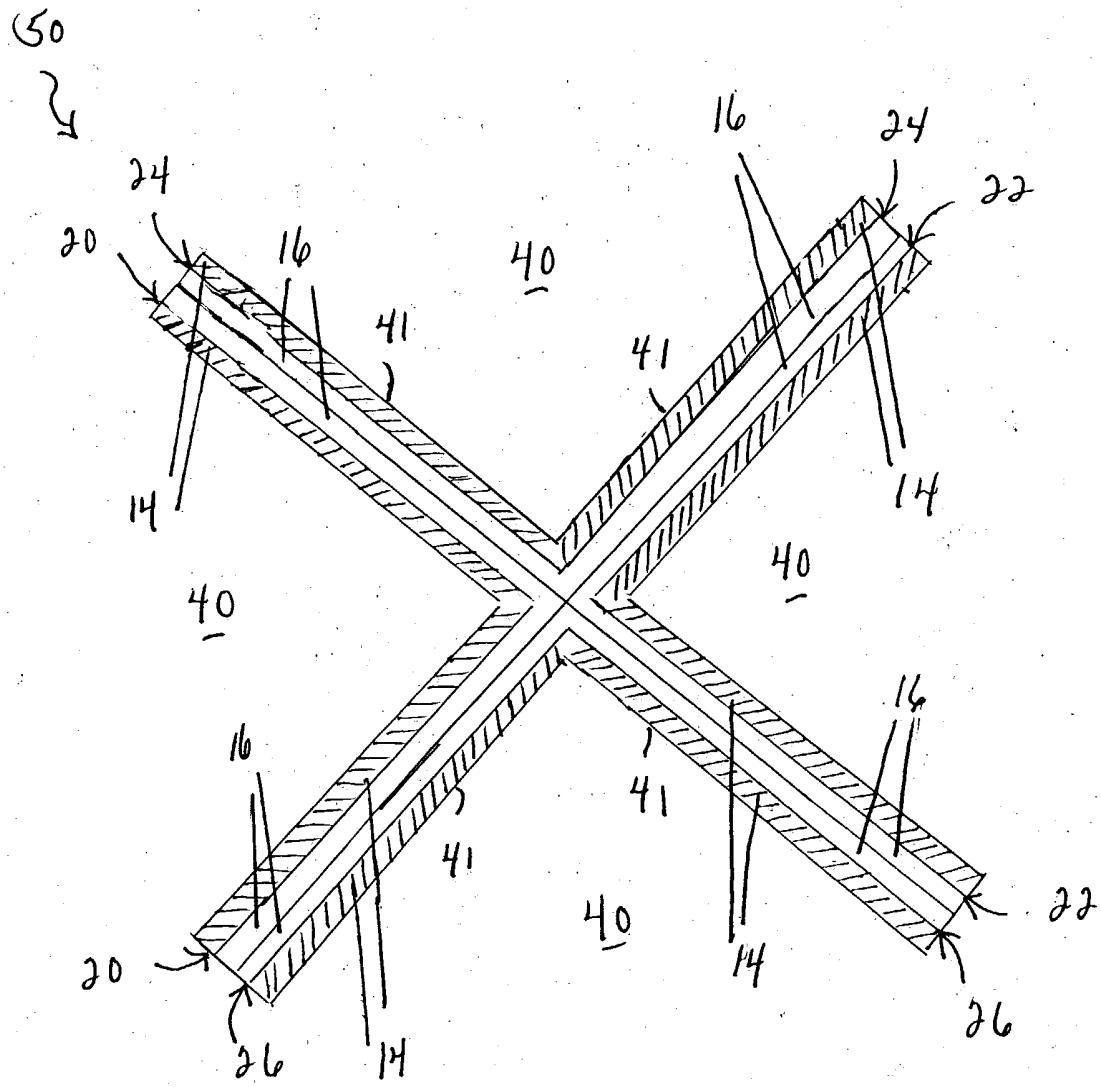


Fig. 4

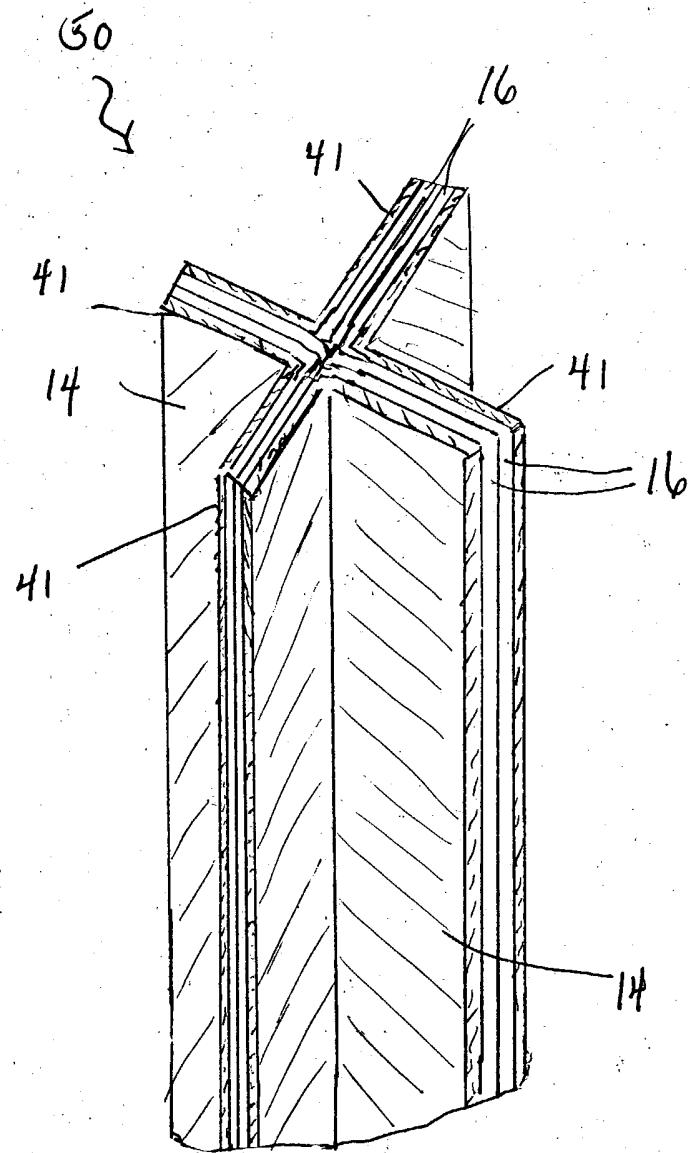


Fig. 5

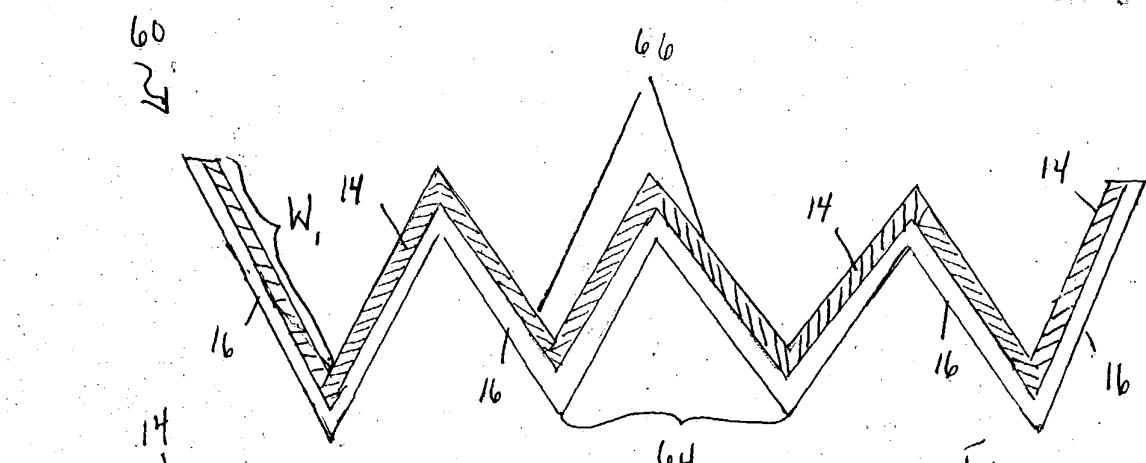


Fig. 6

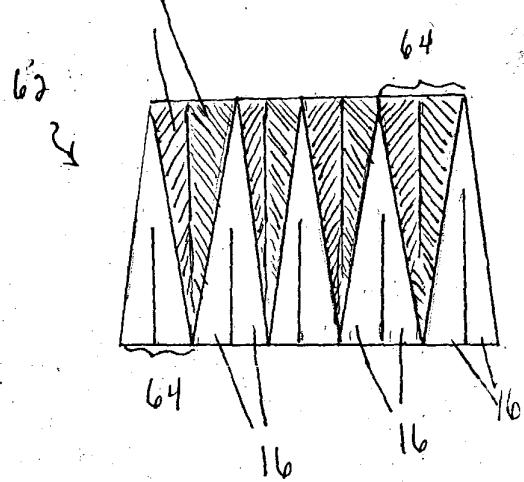


Fig. 7

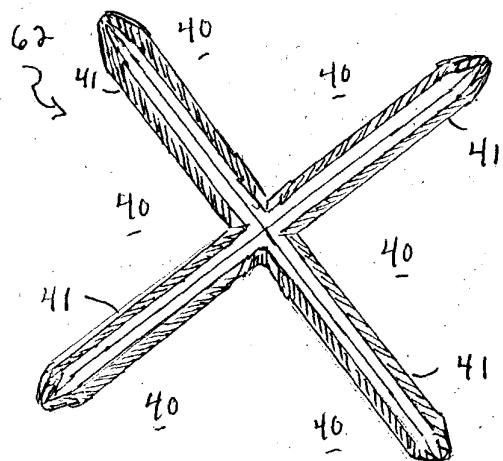


Fig. 8

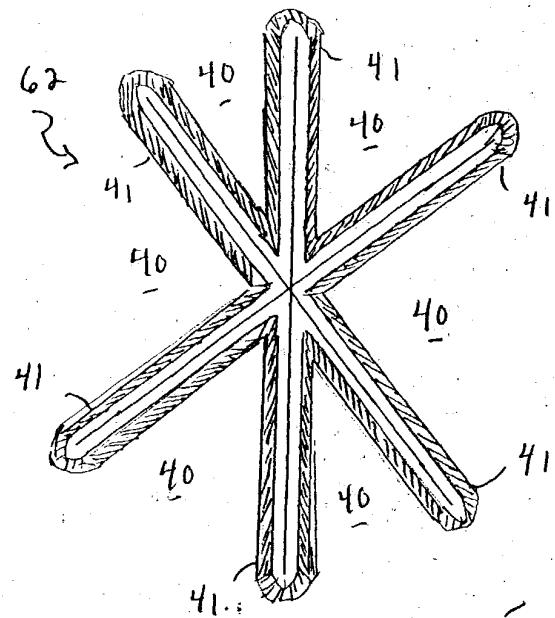


fig. 9

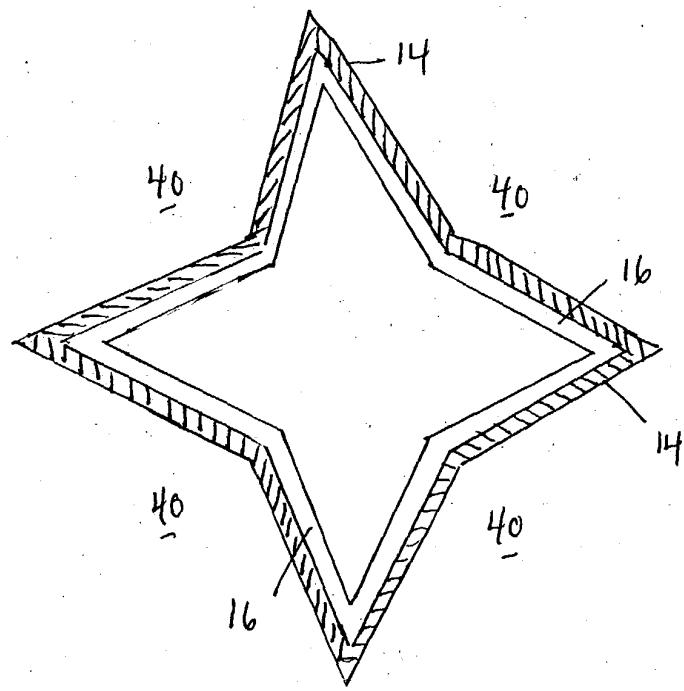


Fig. 10

providing at least one layer of a first material, such as a conductive material, having a length and a width to form a strip of desired dimensions 100

↓

Providing at least one layer of a second material, such as a dielectric material, having a length and a width similar to the layer of conductive material to form a strip of desired dimensions, the dielectric material including a bondable material or fusible film disposed thereon 105

↓

Disposing the conductive layer on the dielectric layer 110

↓

Bonding the conductive and dielectric layers to form a first laminate 115

↓

Folding the first laminate lengthwise to form an interface of the conductive layer 120

↓

Providing a second folded laminate constructed and folded according to steps 100-120 125

↓

Butting a fold of the first folded laminate to a fold of the second folded laminate to align the laminates fold-to-fold 130

↓

Providing a third unfolded laminate and a fourth unfolded laminate each constructed and folded according to steps 100-115 135

↓

Placing the dielectric layer of each of the third and fourth laminates on one of two opposing planes of dielectric material formed by the dielectric layers of the butted first and second folded laminates 140

↓

Fusing the bondable layer or fusible film of the dielectric layers and the butted folds to form a composite 145

↓

Unfolding the composite by opening each interface of the conductive layer to form a single tape configuration having an X-shaped cross-section or profile 150

FIG. 11

Providing a single laminate strip comprising at least one conductive layer and at least one dielectric layer, the single laminate having a width and a length with the length being greater than the width to form a strip, the dielectric layer having a bondable layer or fusible film disposed thereon

200

↓
Folding a portion of the width of the single laminate strip lengthwise in a first fold to form a first pleat with the dielectric layer forming an interface therein

205

↓
Fusing the bondable layer or fusible film of the dielectric layer of the first pleat to bond the interface and seal the first pleat

210

↓
Accordion-folding the first pleat lengthwise over a portion of the width of the single laminate strip to form a second pleat with the dielectric layer forming an interface therein

215

↓
Fusing the bondable layer or fusible film of the dielectric layer of the second pleat to bond the interface and seal the second pleat

220

↓
Accordion-folding the second pleat lengthwise over a portion of the width of the single laminate strip to form a third pleat with the dielectric layer forming an interface therein

225

↓
Fusing the bondable layer or fusible film of the dielectric layer of the third pleat to bond the interface and seal the third pleat

230

↓
Repeating steps 205-225 until a desired number of accordion-folded pleats is formed

235

↓
Unfolding the laminate strip by opening each pleat having the conductive layer interface, folding the laminate strip back upon itself, and joining longitudinal edges of the laminate strip to form a composite tape

240

FIG. 12

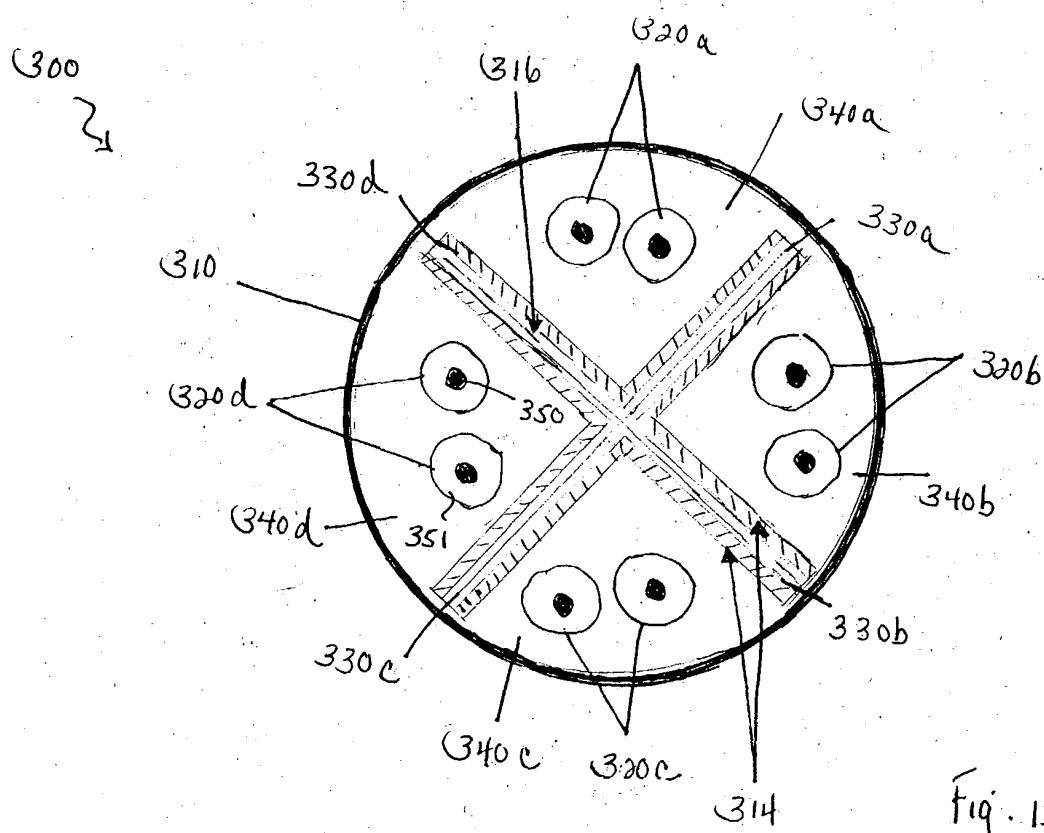


Fig. 13

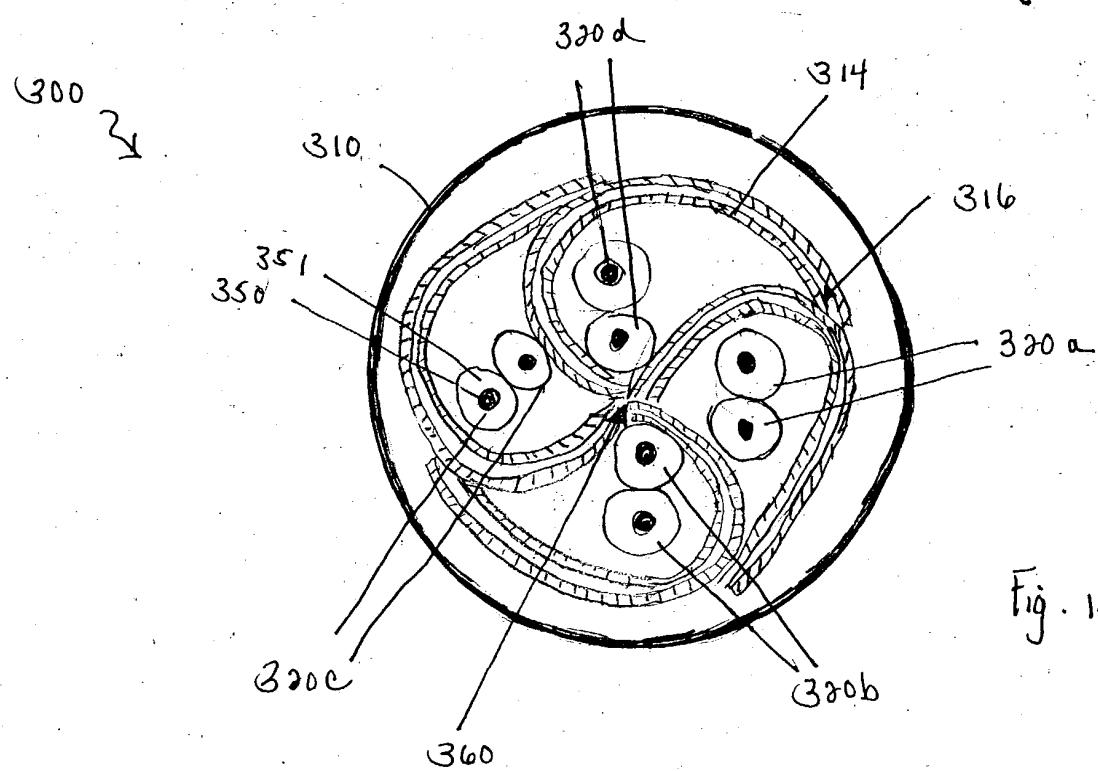


Fig. 14

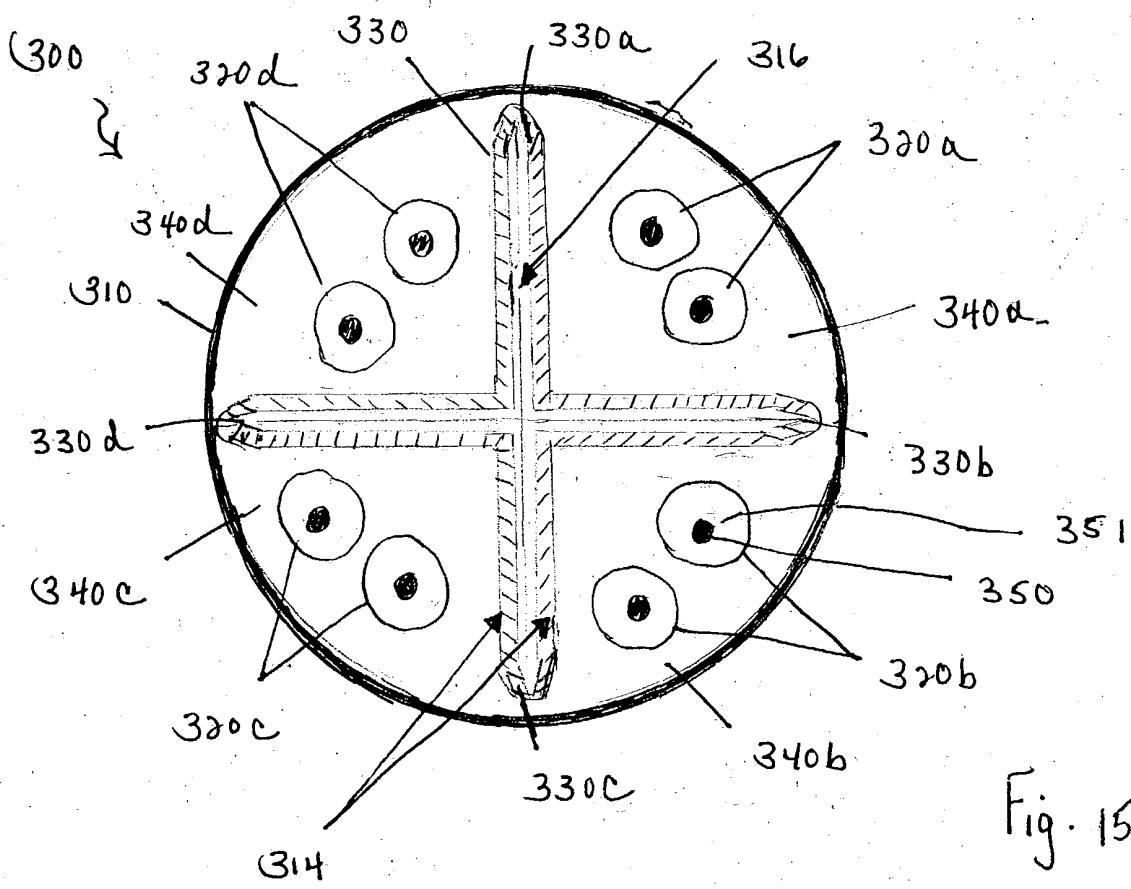


Fig. 15

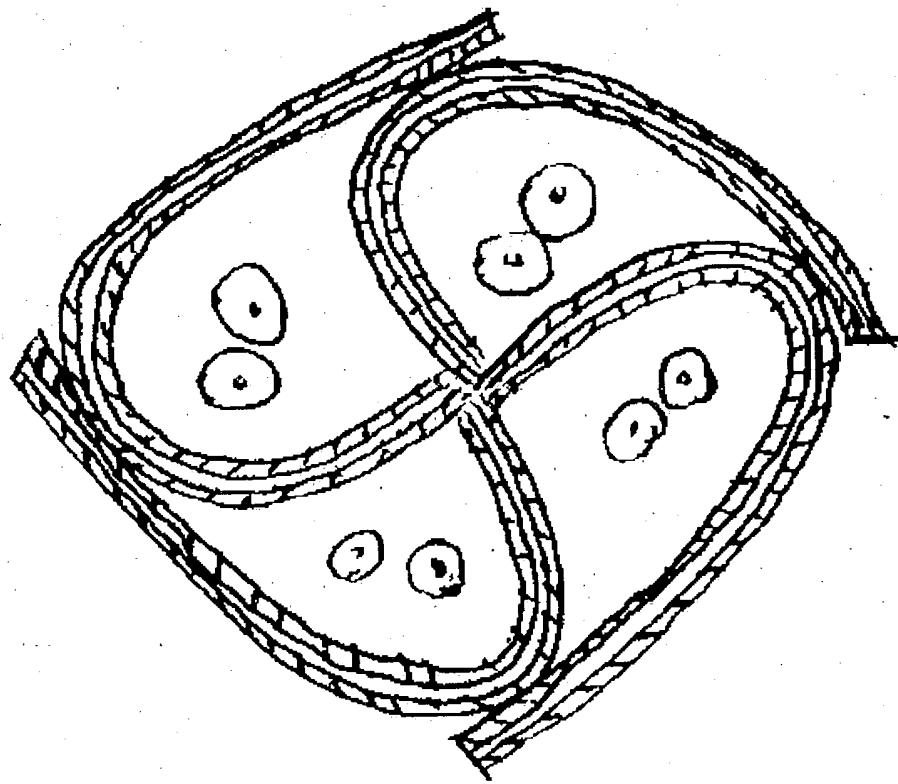


Fig. 16